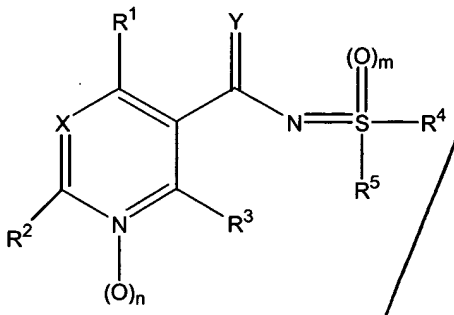
In the Claim:

1. (Amended) An acylsulfimide of the formula (I) or a salt thereof,



(I)

where the symbols and indices are as defined below:

X is CH or N;

Y is O or S;

n is 0 or 1;

m is 0 or 1;

R^1 is C_1-C_6-haloalkyl;

R^2, R^3 are identical or different and are H, halogen or a branched or unbranched (C_1-C_6)-alkyl group, where one or two CH_2 groups may be replaced by -O- or -S- or -N(C_1-C_6)-alkyl, with the proviso that heteroatoms may not be adjacent to one another;

R^4, R^5 are identical or different and are R^6, $-C(LW)R^7$, $-C(=NOR^7)R^7$, $-C(=NNR^7{}_2)R^7$, $-C(=W)OR^7$, $-C(=W)NR^7{}_2$, $-OC(=W)R^7$, $-OC(=W)OR^7$, $-NR^7C(=W)R^7$, $-N[C(=W)R^7]_2$, $-NR^7C(=W)OR^7$, $-C(=W)NR^7$-$NR^7{}_2$, $-C(=W)NR^7$-$NR^7[C(=W)R^7]$, $-NR^7$-$C(=W)NR^7{}_2$, $-NR^7$-$NR^7C(=W)R^7$, $-NR^7$-$N[C(=W)R^7]_2$, $-N[(C=W)R^7]$-$NR^7{}_2$, $-NR^7$-$NR^7[(C=W)WR^7]$, $-NR^7[(C=W)NR^7{}_2]$, $-NR^7(C=NR^7)R^7$, $-NR^7(C=NR^7)NR^7{}_2$, -O-$NR^7{}_2$, $-O$-$NR^7(C=W)R^7$, $-SO_2NR^7{}_2$, $-NR^7SO_2R^7$, $-SO_2OR^7$, $-OSO_2R^7$, $-OR^6$

$-NR^7_2$, $-SR^7_2$ $-SiR^7_3$, $-PR^7_2$, $-P(=W)R^7$, $-SO_2R$, $-SO_2R^7$, $-PW_2R^7_2$, $-PW_3R^7_2$;

B1 or

R^4, R^5 together with the sulfur to which they are attached form a three- to eight-membered saturated or unsaturated ring system which is optionally mono- or polysubstituted, and which optionally contains 1 to 4 further heteroatoms, where two or more of the substituents optionally form one or more further ring systems;

W is O or S;

R^6 are identical or different and are $(C_1$-$C_{20})$-alkyl, $(C_2$-$C_{20})$-alkenyl, $(C_2$-$C_{20})$-alkynyl, $(C_3$-$C_8)$-cycloalkyl, $(C_4$-$C_8)$-cycloalkenyl, $(C_8$-$C_{10})$-cycloalkynyl, aryl or heterocyclyl, where the radicals mentioned may optionally be mono- or polysubstituted, and

R^7 is identical or different and is H or R^6.

Add the following new claim:

B2 --24. A composition for controlling arthropods or helminthes which comprises an effective amount of a compound according to claim 1 and formulation auxiliary.--

REMARKS

This invention relates to heterocyclic acylsulfimides, to processes for their preparation and to their use as pesticides. Applicants discovered that the inventive compounds possess a good spectrum of activity against animal pests while being well tolerated by mammals and aquatic animals.